**Progress Report**

**- Increment 1 -**

**Group #6**

# Team Members

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1. **Project Title and Description**

OOPS, Our Online Personal Stylist, is an e-commerce platform that streamlines the purchase and sale of clothing items. It features distinct modes tailored for buyers and sellers, with key functionalities that include item listing, browsing, and purchasing options.

1. **Accomplishments and overall project status during this increment**

We have developed a foundational HTML website capable of interacting with the established network connection, alongside a relational database to manage user and item data. Additionally, we have introduced a basic website design and implemented robust security measures, including encryption, hashing, and message authentication, to protect user information. Rigorous testing was conducted for each function, assessing its performance in upper-bound, lower-bound, and average scenarios. For more complex functions, we carried out unit testing to confirm the reliability and functionality of our project.

1. **Challenges, changes in the plan and scope of the project and things that went wrong during this increment**

One potential challenge we may encounter is miscommunication among team members, which could result in high coupling and low cohesion within the project. Additionally, we might face unexpected bugs arising from network protocols and discrepancies between the front end's design vision and the back end's functionality. Another significant concern is scope creep, where the temptation to add extra features could extend beyond the project's original scope.

1. **Team Member Contribution for this increment**
   1. the **progress report**: we collectively worked on each question.
   2. the **requirements and design document**: Overview- Alyssa, Functional Requirements- Rachel, Non-functional Requirements - Rachel, Use Case Diagram - Sola, Class Diagram and/or Sequence Diagrams - Hasan, Operating Environment -Souhail, Assumptions and Dependencies-Souhail.
   3. the **implementation and testing document**: Alyssa
   4. the **source code**: Hasan provided the template for the website and we all proceeded to edit and work on their parts.
   5. the **video or presentation:** we collectively worked on the video
2. **Plans for the next increment**

In the next phase, we plan to enhance the back-end by integrating a sorting algorithm tailored to user preferences, utilizing a Large Language Model (LLM). We will also enrich our database with additional data to effectively train our models. On the front-end, we will incorporate CSS to enhance the website's dynamism and user experience.

1. **Link to video**

*https://youtu.be/UBYD1YCX04g*